

THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Probene Plant Research LLG

MOCCUS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE VE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT FED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA, FIELD

'Monarch'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Bariety Protection Office to be affixed at the City of Washington, D.C. this ninth day of April, in the year two thousand and seven.

Attest:

Banzier

Commissioner Plant Variety Protection Office Agricultural Marketing Service ary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

(See reverse for instructions and information collection burden statement)

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

S&T-470 (04-01) designed by the Plant Vertely Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

1. NAME OF OWNER ProGene Plant Research LLC			2 TEMPORARY DESIGNATION EXPERIMENTAL NAME Pro 98106	N OR 3. VARIETY NAME Monarch
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Count 860 S. Crestline Othelio, WA 99344	try)		5. TELEPHONE (Include area of 509) 488-3977 6. FAX (include area code)	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, padnership, association, etc.) Partnership (Limited Liability Co.)	8. IF INCORPORA STATE OF INC	ATED, GIVE ORPORATION	(509) 488-528	FILING DATE
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THE Kurt Braunwart 860 S. Crestline Othello, WA 99344	IS APPLICATION. (Fir	si person listed will ra	(ceive all papers)	FILING AND EXAMINATION FEES: 3657.00 DATE 1057004 CERTIFICATION FEE: 768.00 DATE 3/12/2007
11. TELEPHONE (Include area code) (509) 488-3977 (509) 488-5289	13. E-I Pr	wil ogene@cbn	n.net	14. CROPKIND (Common Name) Field Pea
15. GENUS AND SPECIES NAME OF CROP	16. F/	MILY NAME (Botins	ce/)	17. IS THE VARIETY A FIRST GENERATION HYBRID?
Pisum sativum L.	Le	guminosae	·	TYES 12 NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow reverse) a. Exhibit A. Origin and Breeding History of the Variety V	v instructions on	19. DOES THE CERTIFIED	OWNER SPECIFY THAT SEED OF SEED? See Section 63(a) of it YES (if Yes', enswer items 20 and 21 below)	THIS VARIETY BE SOLD AS A CLASS OF he Plant Variety Protection Act) NO (If "no", go to item 22)
b. Exhibit B. Statement of Distinctness c. Exhibit C. Objective Description of Variety d. Exhibit D. Additional Description of the Variety (Optional) e. Exhibit E. Statement of the Basis of the Owners Ownership	adaul va doklari	VARIETY BI	OWNER SPECIFY THAT SEED OF LIMITED AS TO NUMBER OF CI ICH CLASSES?	ASSES7
Voucher Sample (2,500 viable untreated seeds or, for tuber propaga verification that lissue culture will be deposited and maintained in an reposition) Filing and Examination Fee (\$2,705), made payable to "Treasurer of States" (Mail to the Plant Variety Protection Office)	approved public	VARIETY BI IF YES, SPE NUMBER 1,	2.3, etc.	ENERATIONS?
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBR FROM THIS VARIETY BEEN SOLD. DISPOSED OF, TRANSFERRED, OR US OTHER COUNTRIES? WES NO MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TO FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space and	RANSFER, OR USE	PROPERTY IF YES, PLE	' RIGHT <i>(Plant Bréeder's Rig</i> Yes	置 NO FILING OR ISSUANCE AND ASSIGNED
24. The owners declare that a viable sample of basic seed of the variety will be fun for a tuber propagated variety a tissue culture will be deposited in a public report. The undersigned owner(s) is(are) the owner of this sexually reproduced or tube and is entitled to protection under the provisions of Section 42 of the Plant Variety owner(s) is(are) informed that false representation herein can jeopardize protection.	ository and maintained or propagated plant va- lety Protection Act.	d for the duration of the	e certificate.	
SIGNATURE OF OWNERS PRIMITION STATEMENTS		SIGNATURE OF	- Owner	
NAME (Pigaso pont or type) Kurt Braunwart		NAME (Picaso ;	orint or type)	
CAPACITY OF TIME Managing Owner-ProGene OATE	28-04	CAPACITY OR	TITLE	DATE

SENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense hat it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 \$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) Identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.) USA--October 2003 was first sale of Monarch for commencial evaluation.

(10-12-03) XX 9/29/04

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owners representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of address. assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131,

97.175(h) of the Regulations and Rules of Practice.) To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705.

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The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sax, religion, age, disability, political beliefs, sexual orientation, or marks or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braite, large print, audiotape, etc.) should contact contact the prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braite, large print, audiotape, etc.) should contact under the property of the prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact under the program information (Braite, large print, audiotape, etc.) should contact u



860 S Crestline Othello, WA 99344 E-mail: progene@cbnn.net Cellular: (509) 989-0405 Fax: (509) 488-5289 Phone: (509) 488-3977

Date: September 23, 2004

To: Mark Hermeling USDA/PVPO Washington, D.C.

From: Kurt Braunwart ProGene L.L.C.

Subject: PVP Application for field pea variety Monarch

EXHIBIT A. Origin and Breeding History of the Variety

The original hybrid cross that Monarch (Hybrid cross number MPX9013) came from was made in the winter of 1989-1990. The cross was between the following varieties:

P718 X GP 822406-10-2-1

P718 was a line from Nickerson a French breeding company parentage unknown. GP 822406-10-2-1 was a breeding line in Rogers Brothers Seed Company's dry pea program who's parents were NOVELLA MR X COBRI. Both varieties are from other breeding programs and parentage is unknown.

The cross was made before ProGene Plant Research purchased the breeding program from Rogers Brothers Seed Co.

Following is a chronological progression of the cross up to the current position of Monarch as a variety.

- 1990	F1 90-DP0014	Bulk
- 1991	F2 91-DW-034	Bulk
- 1991	F3 91-DP1913	Bulk
- 1992	F4 92-DP4013	35 SPS's
- 1996	F5 96-SP5482	2 SPS's
- 1997	F6 97-SI 6643	Bulk 652g
- 1998	F7 98 SB 7506	Bulk Prelim Yield 4655g
- 1999	F8 99 SI 8136	Bulk Seed Increase
- 2000	F9 00 SB 9001	Bulk Seed Increase 387 lbs.
- 2001		Small field seed increase
- 2002		Seed Increase
- 2003		Seed Increase

Criteria used to select Monarch as a variety to release in the Pacific Northwest of USA:

- **Darker Green Seed Coat Color** seed is a darker blue green in color than Cruiser, the current standard in the Pacific Northwest Industry.
- **Bleach resistance** It is verified that Monarch has comparable bleach resistance to Cruiser.
- **Earlier maturity-** Monarch is 3 to 7 days earlier in maturity than Cruiser.
- **Standability** Monarch exhibits adequate to good standability clear to physiological maturity. Monarch is an **Af (semileafless)** variety which assists in standability.
- Yield Equal to or better than Cruiser

Kurti Braunwaht 9-28-04

Statement of Stability and Uniformity:

Monarch has been observed by ProGene research personnel over five generations and has been found to be stable and uniform. It is also uniform in all traits listed in schedule "C".

Statement of "No Variants"

Monarch has been observed over the past five generations of seed increase with no variants being observed.



860 S Crestline, Othello, WA 99344 E-mail: progene@cbnn.net Cellular: (509) 989-0405 Fax: (509) 488-5289 Phone: (509) 488-3977

Plant Research

To: Mark Hermeling USDA/PVPO

From: Kurt Braunwart

ProGene Plant Research L.L.C.

Subject: Application for PVP of field pea variety Monarch

EXHIBIT B: Statement of Distinctness

In the Pacific Northwest of the United States the most similar variety to Monarch is Cruiser. Both Monarch and Cruiser are green seeded semi-leafless (af) spring field pea varieties. However, there are some distinct differences.

Days to first bloom - In 2001, 2002, & 2003 Washington State University compared Monarch and Cruiser. Over the three years Monarch averaged 50 days to first flower while Cruiser averaged 55 days. In 2001 the difference was 7 days, 2002 was 4 days and 2003 was 4 days. Monarch clearly blooms earlier than Cruiser. **

Nodes to first bloom - Over the same three years WSU compared the nodes to first bloom. Monarch average 13 nodes to first bloom while Cruiser averaged 17 nodes. **

Height at end of bloom - With 8 direct comparisons over 4 years from Washington State University & ProGene Monarch was clearly shorter in plant growth at the end of bloom than Cruiser. Monarch averaged 54.8 cm while Cruiser averaged 75.8 cm. Cruiser was taller in every comparison. **

Seed Size - In 10 comparisons over 3 years from University of Idaho, WSU and ProGene Monarch seed size average was larger than Cruiser. When expressed in grams per 100 seeds Monarch was larger than Cruiser in 7 direct comparisons, Cruiser was larger in 2 comparisons and they were equal in 1 comparison. Monarch average 19.3 grams/100 seeds while Cruiser averaged 19.0 grams/100 seeds. **

Seed shape - Monarch seed is generally smooth and round but often has a dimple. Cruiser seed is smooth and round and does not display any dimpling.

** See attached comparative data sheets.

Surti Braunwart

9-28-04

Attachment for PVP application for Monarch Green Field Pea Comparative Data for EXHIBIT B: Statement of Distinctness

Days to First Bloom - WSU DATA (3 comparison years - 3 sites)

Average	49.67	54.67		
2003	48	52		
2002	54	58		
2001	47	54		
YEAR	MONARCH	CRUISER	•	

Nodes to First Bloom - WSU DATA (3 comparison years - 3 sites)

YEAR	MONARCH	CRUISER
2001	13	17
2002	12	17
2003	14	17
Average	13	

Height at End of Bloom - WSU (3 years - 3 sites) ProGene (4 years - 5 sites)

YEAR	MONARCH	CRUISER
2001 WSU	61	81
2002 WSU	55	68
2003 WSU	39	50
2001 ProGene	53.3	72
2002 ProGene	63.5	106.7
2003 ProGene (R)	59.3	74.5
ProGene (C)	41.5	78.1
2004 ProGene (C)	66	78.1
Average	54.8	75.8

Seed Size - U of I (3 years & sites) WSU (3 years & sites) ProGene (3 years & 4 sites)

MONARCH	CRUISE
18.5	18.0
19.1	18.4
20.5	17.4
20.9	22.4
18.8	18.8
19.4	19.2
20.6	23.0
19.5	19.3
17.3	16.1
18.6	17.3
19.3	19.0
	18.5 19.1 20.5 20.9 18.8 19.4 20.6 19.5 17.3 18.6

Huntigrannwart 9-28-04

nstructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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o Re a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whiten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and DD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Pea)

Page 1 of 4

OBJECTIVE DESCRIPTION OF VARIETY PEA (Pisum sativum L.)

NAME OF APPLICANT(S)	Par annual series
ProGene Plant Research LLC	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or RD No., City, State, and Zip Code)	PVPO NUMBER 2005 00002
860 S. Crestline	VARIETY NAME
Othello, WA 99344	Monarch
	TEMPORARY OR EXPERIMENTAL DESIGNATION Pro 98106
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal calculation and the first box (e.g. 0 9 9 or 0 9) when number is either 99 or less or 9 or less respectively. Description of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horse used to determine plant colors; designate system used:	ata for quantitative plant characters should be based on a ticultural Society or any recognized color standard may
	ack of response may delay progress of your application.
TYPE: 1=Garden 2=Field 3=Edible-podded 4=0	ther (SPECIFY) :
:. MATURITY:	
No. of days processing	Heat Units
No. of days Earlier than \(\) 7	Laxton WR 3 = Little Marvel VR 6 = Austrian Winter 7= Other
. PLANT HEIGHT:	
5 5 4 Cm. High (55.4 cm) 1 8 Cm. Shorter than V Name of check cultivar Cruise Cm. Taller than Name of check cultivar	r
VINE: 1 Habit: 1=Determinate 2=Indeterminate 2 Stock	1 = Slim (Alaska) 2 = Medium (Thomas Laxton WR) iness: 3 = Heavy (Alderman)
Branching: 1 = None (Alaska) 2 = 1-2 Branches (Little Marvel) 3 = M (Usually 0-1)	ore than 2 Branches (Dwarf Gray Sugar
2 Internodes: 1 = Straight 2 = Zig Zag(slightly) [18]	Number of nodes

... Variation Office with WordPerfect 9.0.

5 IPARIETE. /	Exhibit (- A	nage 2 - mon	arch = 200500002	
		(Alaska WR) 2 = Medium	Green (Thomas Laxton WR) $3 = D$ Blue Green $6 = $ Yellow Green 0	oark Green (Alderman) = Not Applicable
☐ Wa	1 = None 2 = 1 4 = Heavy 0 =	light 3 = Medium Not Applicable		2 = Marbled (Alaska)
Nu	mber of Leaflet Pairs:	1 = Not Paired $2 = On$	3 = Two $4 = Three or More$	0 = Not Applicable
Z Lea	aflet Type: 1 = Leafl	ess 2 = Semi 3 = Norn	nal	
6. STIPULE	S:			
2 1=	Lacking 2 = Preser	1 = Not Clas	ping 2 = Clasping	
1 =	Not Marbled 2	1=	(Compared with leaflets): Smaller 2 = Same Larger 0 = Not Applicable	
NA Cole	or (Compared with Lea	flets): $1 = Lighter 2 =$	Same $3 = Darker$ $0 = Not Appli$	cable
2 Cole	or: 1=Light-Green 2=	=Medium-Green 3=Dark-C	Green 4=Blue-Green 5=Yellow-Gr	een 6=Other
Color Chart	Value: <u>137 B</u>	Select	the Color Chart Used to Determine	Values
			Royal Horticulture Society Colou Munsell Color Chart Other	•
2 Stip	ule Size: 1=Small 2=			
Please provi	de comparative varietie	es (check varieties) and stipu	ıle color.	
	Variety (1)	Variety (2)	Variety (3)	
Variety Name:	Cruiser	<u>Ariel</u>	Karita	· · · · · · · · · · · · · · · · · · ·
Stipule Size:	medium	medium	medium	
Color Chart Value:	<u>1378</u>			
. FLOWER COLO	R:			**************************************
2 Vena	tion 1 Stand	ard Wing	Xeel	•
			6 = Other (specify)

12 = Salmon

16 = Pink

13 = Purple

Cotyledon Color:

17 = Yellow-Green

14 = Tan

1 = Green 2 = Yellow

3 = Orange 4 = Cream

15 = White

secondary) 138C

2 = Tan

1 = White

3 = Black

Hilum Floor Color:

Grams per 100 Seeds ./ (19.7)

2

10.	DISEASE:	(0=Not Tested; 1=Susceptible;	2=Resistan	Pro 98106 (Monarch)
		PLEASE INDICATE THE S	PECIFIC RAC	ce or strain tested 2005 00002
4	2	Fusarium Wilt - Race 1		Fusarium Wilt (Near Wilt) - Race 2
		Stripe Rust (Puccinia striiformis)		Loose Smut (Ustilago tritici)
		Tan Spot (Pyrenophora tritici-repentis)		Flag Smut (Urocystis agropyri)
		Halo Spot (Selenophoma donacis)		Common Bunt (Tilletia tritici or T. laevis)
		Septoria nodorum (Glume Blotch)		Dwarf Bunt (Tilletia controversa)
		Septoria avenae (Speckled Leaf Disease)		Karnal Bunt (Tilletia indica)
		Septoria tritici (Speckled Leaf Blotch)	1	Powdery Mildew (Eryslphe graminis f. sp. triticl) (Tolerant)
		Scab (Fusarium spp.)		"Snow Molds"
		"Black Point" (Kernel Smudge)		Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.)
		Barley Yellow Dwarf Virus (BYDV)		Rhizoctonia Root Rot (Rhizoctonia solani)
		Soilborne Mosaic Virus (SBMV)		Black Chaff (Xanthomonas campestris pv. translucens)
		Wheat Yellow (Spindle Streak) Mosaic Viru	1 1	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)
		Wheat Streak Mosaic Virus (WSMV)		Other (SPECIFY)
	1	Other (SPECIFY) (Enation Virus)		Other (SPECIFY)
		Other (SPECIFY)		Other (SPECIFY)
		Other (SPECIFY)		Other (SPECIFY)
11.	INSECT:	(0=Not Tested; 1=Susceptible; 2=R	(esistant)	
	0	Aphids		Other (SPECIFY)
12	Additional i	information on any item above, or general co	mments that m	av aid in identification:

12.

LEPRODUCE LOCALLY Include form number, and odition date on all I U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBITE STATEMENT OF THE BASIS OF OWNERSHIP I NAME OF APPLICANT(S) ProGene Plant Research LLC 4 ADDRESS Serve and No. or RED No. Cay State and De and Company 860 S. Crestline Othello, WA 99344	Application is required in order to disperblicate is to be issued (7 U.S.C. confidential until the certificate is list. 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER. Pro 98106 5. TELEPHONE induce area code; (509) 488-3977	3. VARIETY NAME
ProGene Plant Research LLC 4 ADDRESS Section of RFD one Cay State and ZFF and County) 860 S. Crestline	OR EXPERIMENTAL NUMBER Pro 98106 5 TELEPHONE (Society areas context) (509) 488-3977	Monarch 5: FAX (motion and acto)
ProGene Plant Research LLC 4 ADDRESS Securious of RFD one Cap State and ZFF and County) 860 S. Crestline	OR EXPERIMENTAL NUMBER Pro 98106 5 TELEPHONE (Society areas context) (509) 488-3977	Monarch 5: FAX (motion and acto)
4 ADDRESS Smeet and No. or RFB Mp. Stay State and ZF and Country 860 S. Crestline	Pro 98106 5 TELEPHONE (509) 488-3977	Monarch 5: FAX (metaph sinks as to:
4 ADDRESS Smeet and No. or EFD Mrs. Cay, State, and IFF and Country 860 S. Crestline	5 TELEPHONE (Mississe area code) (509) 488-3977	S. FAX: (Industrial and existin)
860 S. Crestline	(509) 488-3977	
860 S. Crestline	(509) 488-3977	
		† (509) 488–5289
	T PVPC NUMBER (i)	1
	T OVOC NUMBER (9)	
	1	005 00 002
8. Does the applicant own all rights to the variety? Mark an "X" in the	e appropriate block. If no, please e	xplain X YES
9. is the applicant (individual or company) a U.S. National or a U.S. t	based company? If no, give name of	of country X YES NO
	the streets of the second second	A STATE OF THE STA
10. Is the applicant the original owner?	if no, please answer <u>one</u> of the	following:
To: 15 the application and arrival and arrival and arrival and arrival	· · · · · · · · · · · · · · · · · · ·	
	() 10	Hanakal?
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Na	donal(s) r
VEC NC) If no, give name of country	
X of a Es	i ito, give hante or country	
	and the second second	
b. If the original rights to variety were owned by a company(les	i), is (are) the original owner(s) a U.S	. based company?
D. Willo Oligina rigina to valiety made of the control of		
X YES NO) If no, give name of country	
11. Additional explanation on ownership (If needed, use the reverse	for extra space):	
11. Additional explanation on ownership (it interests)	, ,	`.
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PLEASE NOTE:		
s a second secon	neanch who most the following criteri	a·
Plant variety protection can only be afforded to the owners (not lice		
 If the rights to the variety are owned by the original breeder, that national of a country which affords similar protection to nationals 	person must be a U.S. national, nation of the U.S. for the same genus and	onal of a UPOV member country, or species.
If the rights to the variety are owned by the company which empi nationals of a UPOV member country, or owned by nationals of genus and species.	level the edicinal broader(s) the con	nnany must be U.S. based, owned by
3. If the applicant is an owner who is not the original owner, both the	ne original owner and the applicant m	nust meet one of the above criteria.
The original breeder/owner may be the individual or company who Act for definitions.		
According to the Paperwork Reduction Act of 1995, an agency may not conduct or spons control number. The valid OMB control number for this information collection is 0581-00 response, including the time for reviewing the instructions, searching existing data source.	sor, and a person is not required to respond to a 55. The time required to complete this informations of the data needed.	collection of information unless it displays a valid OMB on collection is estimated to average 6 minutes per and completing and reviewing the collection of information
response, including the time for reviewing the instructions, searching existing data source. The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs or marital or family status. (Not all prohibited bases apply to all programs). Persons with disaudiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and Whitlen Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or	n the basis of race, color, national origin, sax, reli sabillies who require alternative means for comm	gion, age, disability, political beliefs, sexual orientation, on nunication of program information (braille, large print, a LISDA Disable: Office of Civil Rights, Room 326-W.